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## INTEC 603 Basin Rack Scanner

### ***Problem***

INEEL's Emptied Spent Nuclear Fuel Facilities project needed to identify nuclear fuel pieces that may have remained in underwater storage racks.

### ***Baseline Technology***

No baseline technology.

### ***Innovative Technology***

The Idaho Nuclear Technology and Engineering Center (INTEC) 603 Basin Rack Scanner is a waterproof non-destructive analysis device that fits into 6-inch diameter fuel storage ports and identifies nuclear fuel pieces as small as one-half gram.

### ***Comparison***

This scanner enabled the project to quickly identify and remove nuclear fuel pieces remaining in underwater storage racks.

### ***Benefits***

This scanner enabled the project to remove the racks and proceed with deactivation of the spent fuel storage facility.



#### SPENT NUCLEAR FUEL PROGRAM

Project: ID-SNF-103  
Emptied Spent Nuclear Fuel Facilities